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IDEA-0831-69

Copy 3 of 3

7 August 1969

MEMORANDUM FOR: IDEALIST/Operations/OSA

SUBJECT: Transmittal of IRIS II Exposure Curves

1. Enclosed is one set of the new Series EV curve package consisting of six (6) sheets for IRIS II utilizing 3404 film. The curves, calculated and drawn by E-K and approved by ITEK and Project Headquarters, are based on mean scene brightness and exposure for maximum resolving power of the film for the process specification indicated.

2. For situations when image smear and system limitations become critical, the low solar altitude option (dashed line) curve may be used. This option curve is based on minimum scene brightness and 0.6 gamma speed point of the film.

3. In closing, wish to remind all concerned the attached tables are to establish exposures when the automatic exposure control (AEC) is disconnected and the V/H sensor is disabled. This procedure is followed in peripheral flights when aircraft is flown over water but land masses off from vertical are to be photographed. For normal operations, Table 4-2 entitled Nominal Exposure Control Settings, on page 4-18 of the IRIS II Technical Manual entitled Sensor Exploitation and dated 30 April 1969, are still valid.

4. A set of these exposure tables are being sent to Detachments G and H.



SSD/R&D/OSA

Attachment -
as noted

SSD/R&D/OSA/[]:bg

Distribution:

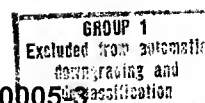
- Cy 1 - IDEA/O/OSA
- 2 - SSD/R&D/OSA
- 3 - RB/OSA

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